

Agenda

Data Distribution Management

9:00 DDM Design Document status Morse

Time Management and Data Distribution Management

9:30 Synchronized DDM & Interaction of
TM/DDM Fujimoto
Steinman

Lunch

11:30

Time Management and Data Distribution Management (cont.)

12:00 HPC and parallel NSS Steinman

Time Management

1:30 Synchronized joins to the federation Fujimoto

Break

2:30

Time Management (cont.)

2:45 TM and the security guard Filsinger

3:45 Simultaneous events and zero lookahead Fujimoto

Wrap-Up

4:45 Plans for next meeting Morse

4:55 Action item review Morse

DDM Design Document Status

- **Parallel in concept to TM Design Document**
- **Version 0.2 is complete based on internal review comments**
- **Version 0.3 will include comments from DDM technical exchange**
- **Version 0.4 will be available on January 15 for AMG review**

DDM Design Document Outline

1. INTRODUCTION
2. GOALS
3. DATA DISTRIBUTION MANAGEMENT IN HLA
 - 3.1 A CONCEPTUAL OVERVIEW OF ROUTING SPACES
 - 3.2 SERVICES ASSOCIATED WITH DATA DISTRIBUTION MANAGEMENT
 - 3.3 OBJECT DISCOVERY AND ATTRIBUTE REFLECTION
4. PHYSICALLY CORRECT FILTER STRATEGIES
 - 4.1 FILTERING ON DISCRETE COORDINATES
 - 4.2 FILTERING ON DYNAMICALLY CHANGING COORDINATES
 - 4.2.1 Dynamically Changing Subscription Regions
 - 4.2.2 Dynamically Changing Update Regions
 - 4.2.3 Accounting for Latencies
 - 4.2.4 Multiple Dynamically Changing Coordinates
 - 4.2.5 Example: Proximity Detection
5. RTI IMPLEMENTATIONS
 - 5.1 Initial Implementation
 - 5.1.1 Real-time Data Distribution
 - 5.1.2 APIs
6. BIBLIOGRAPHY
7. TERMS & DEFINITIONS

DDM Plans

- **RTI version 1.1 with DDM will be available in the Summer**
- **Use case study and lessons learned document will be available with version 1.1**
 - **Based on STOW and Perceptronics experiences**
 - **Will contain code examples**
- **Future DDM technical exchanges will have user forums to share use experiences**

TM/DDM Tech Exchange Results

- Plans for next meeting
 - Experimental DDM experiences
 - » STOW
 - » Perceptronics
 - TM/guard solution draft
 - F.O TM experiments
 - Synchronized joins

Action Items from TM/DDM Tech Exchange

<u>Number</u>	<u>Assignee</u>	<u>Date Due</u>	<u>Action Item</u>
16-1	Weatherly, Fujimoto Filsinger, Steinman	Feb. TM/DDM mtg.	Prepare TM/guard solution draft
16-2	Fujimoto	12/23/96	Identify experimenter for zero-lookahead proposal
16-3	?	June AMG mtg.	Perform zero-lookahead experiments
16-4	Fujimoto	June AMG mtg.	Make recommendation on zero lookahead for August I/F spec checkpoint